

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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APPENDIX A

**Rule 2012 - Protocol for Monitoring, Reporting, and
Recordkeeping for Oxides of Nitrogen (NO_x)
Emissions**

Deputy Executive Officer
Stationary Source Compliance
Patricia Leyden, A.I.C.P.

Director of Applied Science & Technology
Technical Support Services
Chung S. Liu, D. Env.

Senior Manager
Stationary Source Compliance
Anupom Ganguli, Ph.D.

Manager, Source Testing
Technical Support Services
John Higuchi

Manager, Technology Implementation
Technical Support Services
William T. Leyden

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Protocol

Rule 2012 - Protocol for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO_x) Emissions

The following individuals contributed to the preparation of this document.

Air Quality Analysis and Compliance Supervisor:
Gary T. Quinn, P.E.

Supervising Air Quality Engineer:
George Ames, P.E.

Acting Program Supervisor
Mark Henninger

Senior Air Quality Engineers:
Mike Cecconi
Edward Ramirez

Air Quality Engineers:
Marty Connair
Richard Jungbluth
Glenn Kasai
Eusene Kim
John R. Manker
Lynn Ogata
John Olmstead, P.E.
Chris Oraguzie
Minh Pham, P.E.
Jackson Yoong

Supervising Air Quality Inspector:
Roger Christopher

Air Quality Inspectors:
Carmelita Benitez
Jim Girard
Chris Hynes

Production by:
Phyllis LeBlanc
Don Hanson
Abigail Reyes
Ronnie Ronquillo
Vanita Peter

Chapter	Title	Page
1	Overview	2012A-1-1
2	Major Sources - Continuous Emission Monitoring System (CEMS)	2012A-2-1
3	Large Sources - Continuous Process Monitoring System (CPMS)	2012A-3-1
4	Process Units - Periodic Reporting and Rule 219 Equipment	2012A-4-1
5	Large Sources and Process Units - Source Testing	2012A-5-1
6	All Sources and Units - Determining Source Category Status	2012A-6-1
7	Remote Terminal Unit (RTU) - Electronic Reporting	2012A-7-1
8	Reference Methods	2012A-8-1

Attachment A - 1N Procedure

Attachment B - Bias Test

Attachment C - Quality Assurance and Quality Control Procedures

Attachment D - Equipment Tuning Procedures

Attachment E - List of Acronyms and Abbreviations

Attachment F - Definitions

**Attachment G - Supplemental and Alternative CEMS Performance Requirements for
Low NO_x Concentrations**

PREFACE

Several changes have been incorporated in the document "Protocol - Oxides of Nitrogen" since it was released September 1993. These changes reflect comments and suggestions received from the regulated industry, environmental community, regulatory agency staff and the public. Changes are summarized below.

■ Overview

- ◆ Mass emission limitation equations also presented on fuel usage basis
- ◆ CEMS plan submittal and revision process clarified
- ◆ Rental equipment defined and documentation required

■ Chapter 2: Major Sources - Continuous Emission Monitoring System (CEMS)

- ◆ CEMS provisional approval for Cycle 2 facilities allowed
- ◆ F_{CO_2} factor included to calculate stack flow equations
- ◆ Certified tester required as part of certification process
- ◆ EPA protocol 2 gases may be used to certify CEMS if protocol 1 gases are not available
- ◆ Standby Certified CEMS allowed when the dedicated CEMS is down
- ◆ An alternative emission factor option for missing data calculation provided
- ◆ Monitoring data allowed on a wet basis

■ Chapter 3: Large Sources - Continuous Process Monitoring System (CPMS)

- ◆ Upon demonstration orifice plates may be inspected on three year intervals
- ◆ Statistically equivalent source test methodology added to acceptable test methods

■ Chapter 4: NO_x Process Unit - Periodic Reporting and Rule 219 Equipment

- ◆ Statistically equivalent source test methodology added to acceptable test methods
- ◆ Sharing of fuel meters allowed for Process Units and Rule 219 equipment

■ Chapter 5: Major and Large Sources - Source Testing

- ◆ Table 5-B clarification: no tune-up required for Rule 219 equipment